

AMENDMENTS to the CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 31. (cancelled)

32. (currently amended) A method for managing the design and building of a construction project, the method being executable by a host computer system, comprising:

receiving a first type of data for the construction project input by a first application program of at least a first type running on a first computer system to a central database;

receiving a second type of data for the construction project input by a second application program of at least a second, different type running on a second computer system to said central database;

generating a first message indicating a modification of the first data; and

transmitting the first message to the second computer system;

wherein said first type application program and second type of application program comprise any of at least one of a computer aided design software application, a design database application, a procurement application, a facilities management application, or an accounting application.

33. (previously presented) The method of claim 32 wherein receiving a first type of data and receiving a second type of data further comprises:

receiving said first and second data for storage into said central database via respective first and second interface databases.

34. (previously presented) The method of claim 33 wherein the method further comprises the host computer system reading the first type of data stored in the first interface database and notifying the second computer prior to storing the read first type of data in the central database.

35. (previously presented) The method of claim 34 wherein the method further comprises the host computer system monitoring the first interface database for predetermined changes to data stored therein, wherein the host computer system generates the first message in response to the host computer system detecting that the first type of data is stored in the first interface database.

36. (previously presented) The method of claim 35 wherein the central database is in data communication with the host computer system, wherein the host computer system stores the first type of data in the central database in response to the host computer system detecting that the first type of data is stored in the first database.

37. (previously presented) The method of claim 32 wherein the first type of data comprises an object oriented representation of a component of a construction project.

38. (cancelled)

39. (cancelled)

40. (previously presented) The method of claim 33 wherein the first or second type of application is accounting software for the construction building industry.

41. (previously presented) The method of claim 33 further including the steps of:
monitoring a plurality of transactions to the first interface database, wherein each of the plurality of transactions store data in the first interface database, wherein monitoring the plurality of transactions comprises comparing the plurality of transactions against a predetermined transaction;

detecting a match between one of the plurality of transactions to the first database and the predetermined transaction;

generating said first message wherein said first message indicates that first type of data has been stored in the first data base by the one of the plurality of transactions; and

transmitting the first message to the second computer system.

42. (previously presented) The method of claim 41 wherein the method further comprises:

reading the first type of data stored in the first database in response to the host computer detecting the match;

translating the first type of data into translated first data in response to the host computer detecting the match;

storing the translated first type of data into another interface database in data communication with the host computer system in response to the host computer detecting the match.

43. (previously presented) The method of claim 33 further including the steps of:

monitoring a plurality of transactions to a first interface database, wherein each of the plurality of transactions store data in the first interface database, wherein monitoring the plurality of transactions comprises comparing the plurality of transactions against a predetermined transaction;

detecting a match between one of the plurality of transactions to the first interface database and the predetermined transaction;

reading the first type of data stored in the first interface database in response to the host computer detecting the match;

translating the first type of data into translated first data in response to the host computer detecting the match;

storing the translated first type of data into another interface database in data communication with the host computer system in response to the host computer detecting the match.

44. (previously presented) The method of claim 43 wherein the method further comprises:

generating a message indicating that first type of data has been stored in the first interface data base by the one of the plurality of transactions;

transmitting the message to a second computer system in data communication with the host computer.

45. (currently amended) A network coupled computer system managing the design and building of a construction project comprising:

a host computer system;

a central data base of project objects in data communication with the host computer system;

first and second interface databases in data communication with the host computer system;

first and second computer systems in data communication with the first and second interface databases, respectively;

wherein the first interface database is configured to store first type of data received from the first computer system running a first software application of at least a first type;

wherein the second interface database is configured to store second type of data received from the second computer system running a second software application of at least a second type;

wherein the host computer system is configured to read the first type of data from the first interface database and the second type of data from the second interface database and store the first and second data in the central database; and

wherein said first type and second type of application program comprise any of at least one of a computer aided design software application, a design database application, a procurement application, a facilities management application, or an accounting application.

46. (original) The system of claim 45 wherein the host computer system is configured to monitor a plurality of transactions to a first database, wherein each of the plurality of transactions stores data in the first interface database.

47. (original) The system of claim 46 wherein monitoring the plurality of transactions comprises comparing the plurality of transactions against a predetermined transaction.

48. (original) The system of claim 47 wherein the host computer system is configured to detect a match between one of the plurality of transactions to the first database and the predetermined transaction.

49. (cancelled)

50. (original) The system of claim 45 wherein the first computer system executes computer aided design software for the construction building industry.

51. (cancelled)

52. (original) The system of claim 45 wherein the first computer system executes accounting software for the construction building industry.

53. (currently amended) An apparatus comprising:
a host computer system coupled to a network;
a central database of construction project objects in data communication with the host computer system;
first and second interface databases of project objects of at least a first and second types of application software, respectively, in data communication with the host computer system; and
first and second computer systems, said first computer system including a first application software and said second computer system including a second, different type of application software, respectively, in data communication with the first and second interface databases, respectively;

wherein said first type and second type of application program comprise any of at least one of a computer aided design software application, a design database application, a procurement application, a facilities management application, or an accounting application

wherein the host computer system is configured to monitor a plurality of transactions to the first interface database, each of the plurality of transactions stores data in the first database, and monitoring the plurality of transactions comprises comparing the plurality of transactions against a predetermined transaction;

wherein the host computer system is configured to detect a match between one of the plurality of transactions to the first database and the predetermined transaction;

wherein the host computer system is configured to generate a message indicating that the one of the plurality of transactions stored first data in the first database, wherein the host computer system generates the message in response to the host computer system detecting the match between the one of the plurality of transactions and the predetermined transaction; and

wherein the host computer system is configured to transmit the message to the second computer system in data communication with the host computer system.

54. (original) The apparatus of claim 53 wherein the first data comprises an object oriented representation of a component of a building construction project.

55. (currently amended) A method operating on a host computer system coupled to the Internet to manage the design and building of a construction project, comprising:

storing first data received from a first computer system in a database, wherein the first computer system operates at least a first type of application software and provides computer aided design data comprising construction project objects of a first type;

generating a first message corresponding to a request to approve or reject storing the first data in the database;

transmitting the first message to a second computer system, wherein the second computer system is in data communication with the host computer system and the database and operates at least a second type of application software providing construction project objects of a second type, wherein said first and second type of application program software comprises any of at

least one of a design database application, a procurement application, a facilities management application, or an accounting application;

the second computer system generating a second message corresponding to an approval or rejection of storing the first data in the database; and

removing the first data from the database if the second message corresponds to the rejection of storing the first data in the second database, or maintaining the first data in the second database if the second message corresponds to the approval of storing the first data in the database.

56. (original) The method claim 55 wherein the method further comprises the second computer transmitting the second message to the first computer system.

57. (original) The method of claim 55 wherein the method further comprises:
monitoring a plurality of transactions to the database, wherein each of the plurality of transactions store data in the database, wherein monitoring the plurality of transactions comprises comparing the plurality of transactions against a predetermined transaction;

detecting a match between one of the plurality of transactions to the database and the predetermined transaction;

reading second data stored in the database in response to the host computer detecting the match between one of the plurality of transactions to the database and the predetermined transaction;

translating the second data into translated second data in response to the host computer detecting the match;

storing the translated second data into the another database in data communication with the host computer system in response to the host computer detecting the match between one of the plurality of transactions to the database and the predetermined transaction.

58. (original) The method of claim 57 wherein the another database stores data specifying components of a project to be built.

59. (cancelled)

60. (previously presented) The method of claim 55 wherein the second computer system executes construction management software via a browser interface.

61. (previously presented) The method of claim 55 wherein the second computer system is configured to execute software for managing a project financial budget.

62. (previously presented) The method of claim 55 wherein the second computer system is configured to execute software for managing building contractors.

63. (previously presented) The method of claim 55 wherein the second computer system is configured to facility management software.

64. (previously presented) The method of claim 55 wherein the second computer system is configured to execute software for managing a completed facility.